DENBIGHSHIRE COUNTY COUNCIL.

ANNUAL REPORT

on the

Health of Denbighshire

for the

YEAR 1946

by

H. ARWEL THOMAS

M.Sc., M.B., Ch.B., D.P.H.,

County Medical Officer.

16 Grosvenor Road,

Wrexham.

September, 1947.

James Craig & Co., Penrhyn Road, Colwyn Bay

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PREFACE.

To the Chairman and Members of the County Public Health, Housing and Public Assistance Committee.

Mr. Chairman, Ladies and Gentlemen,

Annual Report for the year ended 31st December, 1946.

I have the honour to submit for your consideration my Annual Report on the Health Services of the County for the year ended 31st December, 1946.

Birth and Death Rates.

The birth-rate increased from 16.2 per 1000 of the population in 1945 to 17.8 in 1946, the actual number of births in 1946 being 2,952, as compared with 2,636 in the previous year. There was a decrease in the number of illegitimate births during the year—8.09 per 1000 births against 11.42 in 1946.

The death-rate declined slightly from 13.4 per 1000 population to 13.1.

The Maternal Mortality rate of 2.5 per 1000 total births was the same as for the previous year.

Infant Mortality.

The Infant Mortality rate was 44.01 per 1000 births, being the lowest rate on record. The rate for England and Wales during 1946 was 43.0.

Diphtheria.

There were 38 diphtheria notifications during the year. For the first time in the annals of the County Statistics, there was no death from Diphtheria.

To the Chairman and Members of the Health Committee, I desire to tender my most grateful thanks for their help and

interest in the work of the medical department, and also I wish to thank the Clerk of the County Council and his staff for assistance and advice readily given at all times.

In conclusion I wish to to record my appreciation of the loyal services rendered by the County Health Staff—Medical, Dental, Nursing and Clerical.

I have the honour to remain,

Your obedient Servant,

H. ARWEL THOMAS,

County Medical Officer.

COUNTY OF DENBIGH. TABLE I. Vital Statistics, 1946.

Districts	Estimated Population	No. of Births.	Birth-rate.	No. of Infant Deaths	Infant Mortality.	No. of Deaths	Death Rate
Urban.							
Abergele	7081	135	19.0	6	44.4	120	16.9
Colwyn Bay .	22750	287	12.6	10	34.8	357	15.6
Denbigh	8396	128	15.2	3	23.4	84	10.0
Llangollen ..	3026	52	17.1	3	57.7	35	11.5
Llanrwst	2564	40	15.6	3	75.0	52	20.2
Ruthin	3573	42	11.7	2	47.6	47	13.1
Wrexham ...	27800	577	20.7	23	39.8	351	12.6
Total Urban	75190	1261	16.7	50	39.6	1046	13.9
Rural.							
Aled	6636	124	18.6	4	32.2	86	12.9
Ceiriog	6901	131	18.9	6	45.8	97	14.0
Hiraethog ...	5181	89	17.1	5	56.1	57	11.0
Ruthin	9882	159	16.0	4	25.1	131	13.2
Wrexham	61230	1188	19.4	61	51.3	760	12.4
Total Rural .	89830	1691	18.8	80	47.3	1131	12.5
Total County	165020	2952	17.8	130	44.0	2177	13.1

STATISTICS.

Live Births:—	Males	Females	Total
Legitimate	1408	1305	2713
Illegitimate	122	117	239
Birth-rate per 1000 of the estimated population		17.8	
Still-births	40	47	87
Rate per 1000 (live and still-births)		28.7	
Deaths	1122	1055	2177
Rate per 1000 of the estimated resident population		13.1	

	Deaths	Rate per 1000 total live and still-births
Deaths from Puerperal Causes:		
Puerperal and Post. Abort. Sepsis	2	0.6
Other Maternal Causes	6	1.9
Death-rate of infants under one year:		
All infants per 1000 live births	130	44.04
Legitimate infants per 1000 legitimate births	118	43.4
Illegitimate infants per 1000 illegitimate births	12	50.2

RATES FOR ENGLAND AND WALES.

The Registrar-General furnishes the following rates for England and Wales:—

Birth-rate	19.1
Death-rate	11.5
Infant Mortality	43.0

Births.

2,952 births were registered during the year, as compared with 2,636 in 1945. This gives a birth-rate of 17.8 per 1000 population as compared with 16.2 in the previous year. The birth-rate for England and Wales was 19.1.

The following table gives the number of births, deaths and infant deaths for each of the past 10 years:—

Year	Estimated Population	No. of Births	Birth-rate per 1000	No. of Deaths	Death-rate per 1000	No. of deaths under 1 year of age	Infantile death-rate per 1000 births
1937	156950	2299	14.6	2177	13.8	136	59.1
1938	156840	2325	14.8	2087	13.3	147	63.2
1939	156920	2234	14.2	2189	13.6	128	57.2
1940	167540	2395	14.2	2546	15.1	192	78.7
1941	181510	2617	14.4	2375	13.0	180	68.7
1942	175850	2769	15.6	2015	11.4	154	55.6
1943	169250	2939	17.3	2167	12.8	143	48.6
1944	164630	2890	17.5	2033	12.3	128	44.2
1945	162390	2636	16.2	2168	13.4	160	60.6
1946	165020	2952	17.8	2177	13.1	130	44.0

The following Sanitary Districts show a Birth-rate *above* that of the County:—

Wrexham Borough	20.7
Wrexham Rural	19.4
Abergele Urban	19.0
Ceiriog Rural	18.9
Aled Rural	18.6

The following Sanitary Districts show a Birth-rate *below* that of the County:—

Llangollen Urban	17.1
Hiraethog Rural	17.1
Ruthin Rural	16.0
Llanrwst Urban	15.6
Denbigh Borough	15.2
Colwyn Bay Borough	12.6
Ruthin Borough	11.7

Deaths and Death Rates.

There were 2177 deaths registered in the County during the year as compared with 2168 deaths the previous year. This gives a death rate of 13.1 per 1000 population in 1946 as against 13.4 in 1945.

Chief Causes of Death.

The principle causes of death are shown in the following table:—

Cause of Death.	1945 No. of Deaths.	1945 Per cent. of Total Deaths.	1946 No. of Deaths.	1946 Per cent. of Total Deaths.
Heart Disease	562	25.9	589	27.0
Cancer	345	15.8	343	15.7
Intra-cranial vascular lesions	328	15.1	299	13.7
Pneumonia	81	3.7	82	3.7
Congenital malformation, birth injuries, infantile diseases, premature births	57	2.6	48	2.2
Tuberculosis (all forms)	86	3.9	79	3.6
Bronchitis	120	5.5	131	6.01
Nephritis	64	2.9	68	3.1
Other circulatory diseases	44	2.0	62	2.8

The following Sanitary Districts show a Death-rate *above* that of the County, viz.:—

Llanrwst Urban	20.2
Abergele Urban	16.9
Colwyn Bay Borough	15.6
Ceiriog Rural	14.0
Ruthin Rural	13.2

The following Sanitary Districts show a Death-rate *below* that of the County, viz.:—

Aled Rural	12.9
Wrexham Borough	12.6
Wrexham Rural	12.4
Llangollen Urban	11.5
Hiraethog Rural	11.0
Denbigh Borough	11.0

The Death-rate for Ruthin Borough was the same as the County, viz. 13.1.

Heart Disease.

Heart Disease continues to be the chief cause of death. There were 589 deaths recorded in 1946, as compared with 562 in 1945. The number represented a percentage of 27.0 of the total deaths from all causes and was equivalent to a death-rate of 3.5 per 1000 of the estimated population.

An examination of the age groups reveals that of the 589 deaths due to heart disease, 477 or 80.9 per cent. occurred amongst persons 65 years of age and over.

The following table gives the number of deaths from heart disease at various age periods. The figures for 1946 and the previous year are given for comparison with the years 1937 and 1938.

Year	All ages	0—	5—	15—	45—	65 and upwards
1937	575	1	3	32	121	418
1938	486	1	2	23	110	350
1945	562	—	—	20	116	426
1946	589	—	—	18	94	477

Cancer.

Deaths from Cancer during 1946 accounted for 343 or 15.7 per cent. of the total deaths from all causes. The mortality rate is equivalent to 2.0 per 1000 of the estimated population. During the previous year there were 345 deaths from Cancer, being 15.8 per cent. of total deaths.

The following table gives the number of deaths from Cancer, together with death-rates in the Administrative County for the past 10 years. For comparison, the rates for England and Wales are also given.

Year	No. of Deaths	Death-rate per 1000 population: County of Denbigh	Death-rate per 1000 population: England and Wales
1937	277	1.7	1.63
1938	311	1.9	1.66
1939	295	1.8	1.63
1940	295	1.7	1.72
1941	326	1.7	1.78
1942	281	1.5	1.83
1943	318	1.8	1.90
1944	314	1.8	1.90
1945	345	2.2	
1946	343	2.0	

It should be borne in mind that the death rates are crude rates and are not corrected or standardised for the age and sex constitution of the population of the County.

The Cancer deaths and death-rates according to Sanitary Districts are given in Table XVI(a), page 34.

Maternal Mortality.

There were 8 maternal deaths during the year, as compared with 7 in the previous year. This gives a Maternal Mortality Rate of 2.6 per 1000 (live and still) births.

Each Maternal Death is investigated as a matter of routine. The investigations are carried out by Mr. R. Owen Jones, F.R.C.S., Superintendent Health Visitor, and the Health Visitors. Confidential reports on the circumstances of death are forwarded to the Ministry of Health.

Infant Mortality. was 44·04

The Infant Mortality Rate for 1946 per 1000 live births, as compared with 55.6 in 1945, and is 0.2 per 1000 lower than the record figure attained in 1944. The rate for England and Wales was 43.0.

It will be noted from the following Table II, that the chief causes of infant deaths are "prematurity" and the group "congenital malformation, birth injury."

TABLE II. Causes of Infant Deaths, 1946.

DISEASE.	Districts			
	Urban		Rural	
	Males	Females	Males	Females
Measles	—	—	—	—
Cerebro-Spinal Fever	1	—	—	—
Tuberculosis of the Res. System	—	—	—	1
Other forms of T.B.	—	—	2	—
Bronchitis	1	—	3	—
Pneumonia	3	4	9	5
Diarrhoea	3	1	2	1
Other digestive diseases	2	—	—	—
Whooping Cough	—	1	1	1
Premature Birth	7	10	14	8
Cong. Mal. Birth. Inj. Inf. Dis.	9	6	18	10
Other violent causes	—	1	1	2
All other causes	1	—	2	—
Totals	27	23	52	28

TABLE III. Maternal Mortality.

	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946
County Maternal Mortality Rate	3.7	2.07	3.4	4.0	3.5	4.8	3.2	2.3	1.0	2.5	2.6
Puerperal Sepsis	2	—	1	3	3	3	4	2	—	1	2
Other Puerperal causes	7	5	7	6	6	10	5	3	3	6	6
Total	9	5	8	9	9	13	9	5	3	7	8

INFECTIOUS DISEASES.

Scarlet Fever.

The notifications numbered 157 during the year, as compared with 276 the previous year. There were 2 deaths in 1946 but none in 1945.

Diphtheria.

The number of notifications of Diphtheria in 1946 was the lowest on record, and there was no death registered as due to this cause. The notifications numbered 38, as compared with 86 and 1 death in 1945, and 186 and [illegible] deaths in 1944.

5

Measles (excluding German Measles).

There were 659 notifications of Measles during 1946 as compared with 2252 in 1945.

Whooping Cough.

The number of cases notified in 1946 was 256 as compared with 175 in the previous year.

There were 5 deaths registered as due to Whooping Cough.

DIPHTHERIA IMMUNISATION.

It is gratifying to report that the position in regard to Diphtheria Immunisation is satisfactory. In most of the County districts the percentage of children 1—5 years and children 5—15 years immunised is over 90 per cent. Colwyn Bay Borough and Wrexham Borough are Welfare Authorities and have their own schemes for the immunising of children under 5 years of age, and not attending a school maintained by the Ministry of Education. The County Council is responsible for children under 5 years in all other areas of the County. The County Council has also assumed responsibility for carrying out the immunisation of school children in certain Sanitary Districts, viz., Wrexham Rural District, Ruthin Borough and Llanrwst Urban.

Immunisation Clinics are held at the schools and in Infant Welfare Centres in the County. In certain rural areas, where the mother is not able to attend the Clinic with her infant, arrangements are made for the child to be treated at home.

To maintain the high percentage of immunised children in the County every use is made of propaganda material received from the Ministry. The Assistant Medical Officers and Health Visitors take every opportunity at the clinics, schools and during routine visits to the home, to impress upon the parents to have their children immunised.

Notifications and Deaths from Diphtheria.

	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946
Notifications	750	405	276	407	396	318	174	186	86	38
Deaths	46	29	11	21	13	13	5	5	1	—

The number of children immunised in the County during the year was:—

1—5 years	1954
Between 5—15 years	1035
Total	2989

Since 1937, the number of children immunised in the County is 46,121.

The following table shows the percentages of children immunised in the several sanitary authorities in the County:—

URBAN DISTRICTS.	Children 1—5 years		Children 5—15 years
Abergele	90.8	...	94.6
Colwyn Bay	96.4	...	93.2
Denbigh	92.1	...	97.0
Llangollen	96.0	...	98.5
Llanrwst	97.6	...	98.3
Ruthin	94.8	...	98.0
Wrexham	51.9	...	73.3
RURAL DISTRICTS.			
Aled	96.5	...	82.9
Ceiriog	87.1	...	95.4
Hiraethog	90.5	...	91.0
Ruthin	95.5	...	95.0
Wrexham	81.4	...	90.8

INFECTIOUS DISEASES.

TABLE IV. (a).

The following table furnishes particulars respecting the notifications received during 1946, and for comparative purposes the nine preceding years are shewn:—

Disease	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946
Diphtheria	750	405	276	407	396	318	174	186	86	38
Erysipelas	53	70	347	71	55	67	62	34	42	37
Scarlet Fever	324	295	20	317	246	227	275	294	276	157
Enteric Fever (including Typhoid and Paratyphoid)	6	1	4	16	16	8	7	6	7	3
Puerperal Fever	5	...	...	...	...	...	...	...	...	...
Puerperal Pyrexia	25	34	24	12	22	19	15	5	15	8
Cerebro-spinal Fever	...	...	11	192	83	32	13	9	9	1
Acute Poliomyelitis	...	1	1	6	...	2	1	7	3	1
Ophthalmia Neonatorum	12	15	11	12	5	2	1	4	3	4
Pulmonary Tuberculosis	195	210	180	218	210	176	209	221	212	214
Other Forms of Tuberculosis	63	84	53	72	64	82	68	59	37	30
Pneumonia	183	160	180	341	278	200	195	149	167	177
Encephalitis Lethargica	2	...	1	1	4	3	...	...	...	...
Acute Polio-encephalitis	...	2	...	...	2	1	...	...	...	...
Dysentery	...	...	71	119	22	60	36	60	49	46
Measles (excl. German Measles)	...	...	...	2373	1390	888	1403	154	2252	659
Malaria	1	...	30	...	...	...	...	...	...	...
Whooping Cough	...	...	...	394	746	272	198	429	175	256
Chickenpox	...	...	...	...	...	6	...	8	...	...
Totals	1619	1277	1209	4551	3539	2363	2657	1625	3333	1631

TABLE IV. (b).

The allocation of the several Infectious Diseases to the Sanitary Districts is shown in the following table:—

District.	Pneumonia.	Scarlet Fever.	Ophthalmia Neonatorum.	Erysipelas.	Cerebro-Spinal Fever.	Diphtheria.	Puerperal Pyrexia.	Measles.	Acute Polio-Myelitis.	Dysentery.	Whooping Cough.	Ent. Fev. (Typh. & Paratyphoid)	Pulmonary Tuberculosis.	Other Forms of Tuberculosis
Abergele	7	14	1	7	—	3	—	6	—	6	25	—	11	2
Aled	2	—	—	1	—	3	—	14	—	6	1	2	2	—
Ceiriog	2	3	—	1	—	—	1	19	—	—	11	—	1	—
Colwyn Bay	25	30	—	8	1	1	1	9	—	6	11	—	33	4
Denbigh	4	4	—	3	—	1	—	—	—	6	7	—	10	1
Hiraethog	2	—	—	—	—	—	2	7	—	—	14	—	1	1
Llangollen Urban	—	4	—	—	—	—	—	—	—	—	—	—	3	—
Llanrwst Urban	—	—	—	—	—	—	—	—	—	—	—	—	6	—
Ruthin Borough	12	6	—	—	—	2	—	1	—	5	2	—	5	2
Ruthin Rural	2	9	—	1	—	2	—	3	—	17	50	1	10	1
Wrexham Borough	54	12	3	2	—	14	2	295	1	—	37	—	40	3
Wrexham Rural	67	75	—	14	—	12	2	305	—	—	98	—	92	16
Totals	177	157	4	37	1	38	8	659	1	46	256	3	214	30

TABLE V.

The following table gives the number of deaths from infectious diseases notified during the year, also for comparative purposes, the figures for five previous years:—

Disease.	1941	1942	1943	1944	1945	1946
Typhoid and Paratyphoid	1	2	—	—	2	—
Measles	4	—	2	2	4	—
Scarlet Fever	—	—	1	—	—	2
Whooping Cough	13	7	1	4	1	5
Diphtheria	13	13	5	5	1	—
Encephalitis Lethargica	—	—	—	—	—	—
Cerebro-Spinal Fever	8	6	1	2	4	5
Acute Polio-Encephalitis	1	1	1	1	—	—
Acute Inf. Encephalitis	1	1	1	1	2	3
Tuberculosis, Pulmonary	92	67	63	73	72	67
Tuberculosis, Non-Pulmonary .	20	19	18	13	14	12

TUBERCULOSIS.

67 deaths from Pulmonary Tuberculosis occurred during the year as compared with 72 in the previous year. 12 deaths from non-pulmonary causes were registered, compared with 14 in 1945.

The following table shews the number of cases of tuberculosis on the County Register; Deaths and the Death-rates per million of the population in the County and England and Wales each year since 1935:—

TABLE VI. TUBERCULOSIS.

Number of Cases on the County Tuberculosis Register for the years 1935-1946.

Year	No. on Register			Deaths			Death Rate per Million of Population	
	Pulm.	Non-Pulm.	Total	Pulm.	Non-Pulm.	Total	County of Denbigh	Wales and Mon.
1935	1138	496	1644	100	19	119	760.8	925
1936	1158	499	1657	88	21	109	693.8	861
1937	1199	531	1730	94	14	108	688.1	881
1938	1020	470	1490	79	15	94	599.9	812
1939	986	453	1439	80	14	94	587.3	759
1940	1089	494	1583	81	24	105	626.7	796
1941	1109	527	1636	92	20	112	617.0	794
1942	1189	578	1767	67	19	86	489.1	750
1943	1344	631	1975	63	18	81	478.6	751
1944	1478	672	2150	73	13	86	522.4	715
1945	1593	692	2285	72	14	86	529.6	718
1946	1568	645	2213	67	12	79	479.0	683

MASS RADIOGRAPHY

February, 1944, to April 30th, 1946.

	Feb., 1944, to 31st Dec., 1945.	1st Jan., 1946, to 30th April, 1947.
Total number examined	3978	4556
Total number found abnormal	59	94
Number found to be suffering from pulmonary tuberculosis	12	8
Number found to be needing further observation	21	19
Number found to be suffering from non-pulmonary conditions	26	67

Mass Radiography in the County is undertaken by the Welsh National Memorial Association Mass Radiography Unit. During the period February, 1944, to April, 1947, the Unit visited the following places in Denbighshre :—

1944—45 :—

Ministry of Food, Colwyn Bay.
Monsanto Chemicals.

1946—1947 :

Brymbo Steel Works.
Bryn Estyn School, Wrexham.
Davies Bros., Llangollen.
Ministry of Food, Colwyn Bay (2nd visit).
Monsanto Chemicals (2nd visit).
Wm. Thomas & Sons, Wrexham.
Williams & Williams, Wrexham.
Wrexham Schools.
Wrexham General Population.

TABLE VII.

Public Health (Tuberculosis) Regulations, 1924.

Active Cases on Registers according to Sanitary Area.

District		No. of cases of Tuberculosis on Register at the commencement of the year.		No. of cases notified for the first time under Regulations, 1912, during year.		No. of cases removed from the Register during the year.		No. of cases remaining on the Register at the end of the year.	
		Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
Abergele.	*Males*	25	9	7	1	6	3	26	7
	Females	37	8	4	1	4	1	37	8
Aled.	*Males*	54	27	1	—	4	1	51	26
	Females	62	24	1	—	8	1	55	23
Ceiriog.	*Males*	40	10	—	—	1	—	39	10
	Females	24	11	1	—	—	—	25	11
Colwyn Bay.	*Males*	110	44	19	1	11	—	118	45
	Females	111	54	14	3	13	—	112	57
Denbigh.	*Males*	23	15	7	—	9	2	21	13
	Females	42	8	3	1	10	3	35	6
Hiraethog	*Males*	21	14	—	1	1	1	20	14
	Females	24	11	1	—	1	—	24	11

Public Health (Tuberculosis) Regulations, 1924.—(Continued).

District		No. of cases of Tuberculosis on Register at the commencement of the year.		No. of cases notified for the first time under Regulations, 1912, during year.		No. of cases removed from the Register during the year.		No. of cases remaining on the Register at the end of the year.	
		Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
Llangollen Urban.	*Males*	8	2	3	—	—	—	11	2
	Females	14	1	—	—	3	—	11	1
Llanrwst Urban.	*Males*	23	8	5	—	4	—	24	8
	Females	10	7	1	—	—	—	11	7
Ruthin Borough.	*Males*	7	1	2	1	2	—	7	2
	Females	14	2	3	1	3	—	14	3
Ruthin Rural	*Males*	31	9	7	—	10	3	28	6
	Females	61	20	3	1	2	2	62	19
Wrexham Borough.	*Males*	180	84	26	1	35	15	171	70
	Females	132	54	14	2	24	10	122	46
Wrexham Rural.	*Males*	295	157	43	6	47	16	291	147
	Females	245	112	49	10	41	19	253	103
	Totals	1593	692	214	30	239	77	1568	645

TABLE VIII.

Part I. **Public Health (Tuberculosis) Regulations, 1930.**

Summary of notifications during the period from the 1st January, 1946, to the 31st December, 1946, in the area of the County of Denbigh.

Age Groups	FORMAL NOTIFICATIONS. Number of Primary Notifications of new cases of Tuberculosis. 0—	1—	5—	10—	15—	20—	25—	35—	45—	55—	65—	Total	Total Notifications
Pulmonary Males	...	4	9	3	7	12	36	18	16	11	4	120	131
Pulmonary Females	...	2	5	4	13	26	20	10	4	4	...	88	100
Non-Pulmonary Males	1	1	3	1	1	...	...	...	1	1	...	9	10
Non-Pulmonary Females	...	3	2	2	2	...	3	1	1	...	1	15	17

Part II. **Supplemental Return.**

New cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during the above mentioned period, OTHERWISE than by formal notification.

Age Groups	0—	1—	5—	10—	15—	20—	25—	35—	45—	55—	65—	Total
Pulmonary Males	...	...	...	...	...	1	...	...	1	1	...	3
Pulmonary Females	...	...	...	...	...	1	...	...	...	2	...	3
Non-Pulmonary Males	1	...	...	...	...	...	...	...	...	...	...	1
Non-Pulmonary Females	...	...	...	...	1	...	...	...	...	...	...	1

The sources from which information as to the above-mentioned cases was obtained are stated below:—

Source of Information.	No. of Cases.	
	Pulmonary	Non-Pulmonary
Death Returns:—		
From Local Registrars	5	...
Transferable deaths from Registrar General	...	...
Posthumous Notifications	1	2
"Transfers" from other areas (other than Transferable Deaths	...	...
Other sources, if any (specify)	...	...
Total	6	2

CARE OF PREMATURE INFANTS.

Midwives and others who notify births have been requested to enter on the notification of birth cards of infants the weight at birth if 5½ lbs. or less. These prepaid post-cards, supplied to the midwives, provide space for the information.

During the year 1946, 185 infants were born prematurely in the Welfare area of the County Council; 61 of these children were born at home and 124 in hospitals or maternity homes.

Of the 185 births, 53 died during the first month.

A special Nursery has now been provided at the County Maternity Home for premature babies. The temperature is thermostatically controlled and a humidifier has been installed. Premature babies notified on the district are admitted if conditions at home are found to be unsatisfactory. The infant is transported in a portable incubator.

The attention of Midwives and Health Visitors has been drawn to the importance of proper conditions at the home, separate room for mother and baby, the discouragement of visitors, etc.

There is no paediatric specialist in this or the neighbouring Counties, but the question of the appointment of a Specialist on the staff of the Emergency Hospital, Wrexham, has been under consideration.

ANNUAL REPORT OF COUNTY OBSTETRICIAN.

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1. Ante-Natal Clinics.

New patients	1937
Re-examinations	3547
Total examinations	5484

Out of 2800 births, 1937 mothers attended the County Ante-Natal Clinics.

2. Ruabon Maternity Hospital.

Admissions	277
Births	260

3. Gladwyn Maternity Home.

Admissions	426
Births	417

4. Maternal Deaths.

There were no maternal deaths at Ruabon Maternity Hospital or Gladwyn Maternity Home, but seven occurred in the County area from the following causes:—

Eclampsia.
Toxaemic Ante-partum Haemorrhage.
Placenta Praevia.
Pulmonary Embolus.
Septic miscarriage.

One County case was confined at a Liverpool Hospital and died there, and was therefore a Transferable Death assigned to this County.

R. OWEN JONES, F.R.C.S.

MATERNITY AND CHILD WELFARE DENTAL SERVICE.

Report of County Dental Surgeon.

In presenting my report for 1946, I have pleasure in reporting a large increase in applications for dental treatment. It is also gratifying to me to note the increase in the number of mothers presenting themselves for advice both for themselves and their children.

I am able, under present arrangements, to devote only 50 per cent. of my time to this work; consequently these increases have caused rather a long waiting list.

I do feel the time has come for the appointment of a full-time Officer to deal with this work.

Total attendances for treatment	1047
No. of patients treated	305
Extractions:	
No. of patients	234
No. of teeth	2581
Fillings:	
No. of patients	13
No. of fillings	25
Scaling and Gum treatment	41
Dentures:	
Upper	109
Lower	71
Repairs and Remakes	8
No. of patients awaiting treatment on 31/12/46	49

J. G. ROBERTS,
County Dental Surgeon.

REGISTRATION OF NURSING HOMES

(Sections 187 to 194 of the Public Health Act, 1936).

Return of the Work of the Council during 1946.

	Number of Homes.	Number of beds provided for: Maternity.	Others.	Totals.
Homes first registered during the year ...	4	6	29	35
Homes on the register at the end of the year	15	16	144	160

COUNTY OF DENBIGH.

TABLE IX. Causes of Death, 1946.

Causes.	Abergele.	Aled.	Ceiriog.	Colwyn Bay.	Denbigh.	Hiraethog.	Llangollen.	Llanrwst.	Ruthin Borough.	Ruthin Rural.	Wrexham Boro'	Wrexham Rural.	Totals.
Typhoid and Para-typhoid Fever	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-Spinal Fever	1	...	...	1	...	...	1	...	...	...	...	2	5
Scarlet Fever	1	...	...	1	...	...	...	...	...	...	...	...	2
Whooping Cough	...	...	...	1	...	1	...	...	...	...	1	2	5
Diphtheria	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculosis of the Resp. Syst.	4	1	2	11	2	1	1	2	1	4	14	24	67
Other Forms of Tuberculosis	...	1	...	1	1	...	...	...	..	1	...	8	12
Syphilitic Diseases ...	...	...	1	2	...	...	...	...	...	...	1	1	5
Influenza	1	2	3	4	..	2	...	4	1	3	3	6	29
Measles	...	...	...	...	...	...	...	...	...	...	...	...	...
Ac. polio-myel and polio. enceph.	...	...	...	...	...	...	...	...	...	...	...	...	...
Ac. Inf. enceph.	...	1	1	...	1	...	...	...	...	...	...	...	3
Cancer, Malignant Disease	18	13	8	65	14	12	6	7	5	15	53	127	343
Diabetes	...	...	...	4	...	...	...	...	...	1	2	1	8
Intra. cran. vasc. lesions	22	9	10	52	14	9	5	6	11	18	50	93	299
Heart Disease	26	31	33	99	33	10	5	12	9	43	101	187	589
Other Circ. Dis.	8	...	1	23	...	3	2	2	1	2	4	16	62
Bronchitis	4	3	9	15	...	2	1	9	...	2	26	60	131
Pneumonia	3	1	3	12	3	2	1	1	4	4	13	35	82
Other Resp. Dis. ...	4	1	2	2	1	1	2	2	1	...	8	9	33
Ulcer of stomach or duodenum	...	1	1	5	...	...	...	...	2	...	2	8	19
Diarrhoea (under 2 years)	...	...	...	2	...	...	1	...	...	...	2	3	8
Appendicitis	1	...	...	1	...	1	1	...	...	1	1	...	6
Other Digve. Dis. ...	3	1	1	10	3	1	...	2	1	3	4	16	45
Nephritis	5	2	1	9	6	2	1	1	3	11	7	20	68
Puer. and post. abort. sepsis	...	...	...	1	...	...	...	...	...	...	1	...	2
Other maternal causes	1	...	...	...	...	...	...	...	1	...	2	2	6
Prem. Birth	3	4	2	1	2	1	...	...	...	1	11	14	39
Con. mal birth ini infant dis.	3	...	3	4	...	2	1	2	2	2	6	23	48
Suicide	...	3	...	1	...	3	1	...	3	2	3	5	21
Road Traffic Ac.	..	1	2	...	...	...	1	...	1	1	1	4	11
Other violent causes	3	2	1	5	1	2	1	...	...	4	8	17	44
All other causes	9	9	13	25	3	2	4	2	1	13	27	77	185
All causes	120	86	97	357	84	57	35	52	47	131	351	760	2177

TABLE X.

The percentage of deaths at different age periods are given below:—

Age Period	Percentage of Total Deaths
0— 1	5.9
1— 5	1.0
5—15	1.0
15—45	7.4
45—65	22.3
65 and upwards	62.1

LABORATORY FACILITIES.

The Laboratories undertaking a variety of examinations for the County are:—

The Pathological Laboratory, Emergency Hospital, Wrexham.

Emergency Pathological Laboratory, Conway.

The Pathological Laboratory, Chester Royal Infirmary.

University College of North Wales, Bangor.

Wrexham Joint Fever Hospital.

Welsh National Memorial Association.

Food and Drugs Act.

Analyses are also undertaken by Mr. F. A. Lowe, County Analyst, Chester.

AMBULANCE SERVICES.

The following are reports received from the various Ambulances rendering services in the County:—

	Wrexham R.D.C. (Fever Ambulance)	D.C.C. (E.M.S.)	St. John's
Wrexham Division.			
Number of cases carried	140	180	3789
Number of road accidents	—	—	66
Total number of cases .	140	180	3855
Total mileage	4300	7803	27434

Cefn Mawr Division.

Number of cases carried	694
Number of road accidents	—
Total number of cases	694
Total mileage	10004

Brymbo Division.

Number of cases carried	281
Number of road accidents	12
Total number of cases	293
Total mileage (from June 5th to December 31st)	2861

Llay Division.

Number of cases carried	432
Number of road accidents	20
Total number of cases	452
Total mileage	4538

Rhosllanerchrugog Division.

Number of cases carried	975
Number of road accidents	20
Total number of cases	995
Total mileage	12619

Ruthin Division.

Number of cases carried	161
Number of road accidents	8
Total number of cases	169
Total mileage	4492

Dyffryn Clwyd Division, Denbigh.

Number of cases carried	130
Number of road accidents	12
Total number of cases	142
Total mileage	2074

Uwchaled Division.

Number of cases carried	25
Number of road accidents	1
Total number of cases	26
Total mileage	1513

Llanrwst Division.

Number of cases carried	72
Number of road accidents	4
Total number of cases	76
Total mileage	2836

Abergele and District.

Number of cases carried	116
Number of road accidents	—
Total number of cases	116
Total mileage	4539

Colwyn Bay Division.

	Colwyn Bay Corporation	St. John's up to Mar. 31st, 1947
Number of cases carried	27	475
Number of road accidents	—	16
Total number of cases	27	491
Total mileage	108	12387

Hafod Colliery Ambulance Unit (Ruabon).

Number of cases carried	83
Number of road accidents	—
Total number of cases	83
Total mileage	656

Black Park Colliery Unit (Chirk).

Number of cases carried	20
Number of road accidents	—
Total number of cases	20
Total mileage	234

TABLE XI. Hospital Accommodation.

Name of Hospital	BEDS				Total	Additional Beds
	Males	Females	Child	Others		
VOLUNTARY						
Wrexham War Memorial Hospital... ...	63	48	20	39	170	E.M.S. Beds, 50.
Colwyn Bay & West Denbighshire Hospital	25	25	10	...	60	
Denbighshire Infirmary, Denbigh	15	27	3	...	45	
Chirk and District Cottage Hospital ...	12	6	2	12	32	
Llangollen Cottage Hospital	4	6	4	...	14	
	119	113	39	51	321	
PUBLIC ASSISTANCE						
Croesnewydd, Wrexham	54	95	54	25	228	Plas Maelor 295
Ruthin	16	20	4	3	43	
	70	115	58	28	271	
FEVER HOSPITALS						
Wrexham Joint Fever Hospital	39	40	16	10	105	
Bronynant Isolation Hospital, Colwyn Bay	...	...	...	...	31	
St. Asaph Joint Isolation Hospital	...	...	...	...	87	Additional Beds, 20.
Croesynyd Hospital, Conway	20	19	6	...	45	
Small-pox Hospital (Rhydtalog)	...		...	...	12	
Abergele Sanatorium	52	...	189	10	251	
					531	
COUNTY MATERNITY HOSPITAL.						
Ruabon Maternity Hospital	...	12	...	...	12	
Gladwyn Maternity Home	...	25	...	...	25	
Colwyn Bay Maternity Home	...	10	...	...	10	
	...	47	...	...	47	

TABLE XII.

Summary of Work of Health Visitors.

District	No. of visits to children under 1 year	No. of visits to children 1—5 years	Expectant Mothers	
			First Visits	Total Visits
Rhos and Penycae	1055	1398	5	10
Rhostyllen, Ruabon, Marchwiel, Isycoed and Abenbury	836	1801	4	6
Coedpoeth, Southsea, New Broughton	649	1284	—	—
Brymbo, Broughton, Summerhill	976	924	32	52
Llay, Gresford, Rhosrobin	1254	1984	5	7
Llangollen and Cefn	392	1321	33	102
Denbigh, Abergele and Aled Rural	810	968	—	—
Llanrwst Area	899	1772	32	—
Llansilin, Chirk and Glynceiriog	762	1379	—	—
Ruthin Borough, Ruthin Rural and Cerrig	1062	2049	68	138
	8695	14880	179	382

TABLE XIII.

THE ROBERT JONES AND AGNES HUNT ORTHOPÆDIC HOSPITAL.

RETURN showing the number of DENBIGHSHIRE (County) patients treated at Orthopædic Clinics during the year 1946, and the number of attendances made by such patients.

	On books 1/1/46	Admitted during 1946	Total treated.	Discharged in 1946	On Books on 31/12/46.		Attend-ances.
					Active Treatment.	Appliance Supervision.	
MATERNITY AND CHILD WELFARE (0-5 years)	285	158	443	116	326	1	757
SCHOOL MED. SERVICE (5-16 years)	820	281	1101	242	858	1	1608
VOL. ORTHO. ASSOCIATION (16+ years)	504	339	843	260	478	105	1381
TOTALS	1609	778	2387	618	1662	107	3746
					1769		

During the year 56 patients attained the age of 5 years, and 56 reached the age of 16. These have been included in both age groups in which they were treated and the total treated therefore is 2275.

Furthermore 118 other patients were seen by the Surgeons and no treatment was advised. This brings the total attendances up to 3864.

IN-PATIENT TREATMENT.

No. of patients in hospital 31/12/45	10
No. of patients admitted during 1946	62
No. of patients discharged during 1946	65
No. of patients in hospital 31/12/46	7

TABLE XIV.

MENTAL DEFICIENCY ACTS.

	Males	Females	Total
Number of defectives ascertained to be "subject to be dealt with":—			
Under "Order":—			
(a) (1) In Institutions (excl. cases on Licence:—			
Under 16 years of age	6	7	13
Aged 16 years and over	30	71	101
(2) On Licence from Institutions:—			
Under 16 years of age	—	1	1
Aged 16 years and over	—	11	11
(b) (1) Under Guardianship (excl. cases on Licence):			
Under 16 years of age	—	—	—
Aged 16 years and over	6	7	13
(2) On Licence from Guardianship:			
Under 16 years of age	—	—	—
Aged 16 years and over	—	—	—
In places of safety:			
Under 16 years of age	—	—	—
Aged 16 years and over	—	—	—
No. of patients certified during 1946:			
Under 16 years of age	1	—	1
Over 16 years of age	2	4	6
For Institutions	2	3	5
For Guardianship	1	1	2
Re-certifications for Institutions	4	—	4

SUPPLY OF MIDWIVES.

	Domiciliary Midwives	In Institutions	Total
Employed by Local Supervising Authority	5	20	25
Employed by Voluntary Associations:—			
(1) Under arrangement made with Local Supervising Authority	50	—	50
(2) Other (Voluntary Hospitals)	—	12	12
In Private Practice	17	—	17
Totals	72	32	104

MIDWIFERY SERVICE.

Particulars of Cases Attended by Domiciliary Midwives.

	By Salaried Midwives and District Midwives	By Independent Midwives
No. of times Medical Aid sent:—		
(a) during pregnancy	32	6
(b) during labour	170	30
(c) during puerperium	23	5
(d) for infants	27	4
No. of still-births notified	15	4
No. of forceps deliveries	45	40
No. of deaths of infants, 1 month	9	3
No. of maternal deaths	—	—
No. of maternity cases	145	35

CHILD LIFE PROTECTION.

No. of persons who were receiving children for reward during the year	15
No. of children at the end of the year	12
No. of children who died during the year	—

HOME HELPS.

No. of Home Helps engaged during the year	3
No. of cases attended	21

AFTER-CARE OF TUBERCULOSIS PATIENTS.

No. of cases receiving assistance under the County After-Care Scheme	65
Total amount of grants in 1946	£1328 5 10

MIDWIVES ACT, 1918—SECT. 14.

No. of patients for whom medical aid was summoned by a certified midwife	297
Total amount of medical claims	£529 18 0

SUPPLY OF MILK.

The total quantity of milk supplied at cost price during the year to expectant and nursing mothers and young children (otherwise than under the National Milk Scheme) was 35,295 lb. packets (dried milk).

OPHTHALMIA NEONATORUM.

5 cases of Ophthalmia Neonatorum were notified during the year with the following results:—

Vision unimpaired	5
Patients removed from County	—
Patient died	—

TABLE XV.

Maternity and Child Welfare.

The following table furnishes information for 1946 with regard to the Maternity and Child Welfare Centres established in the County :—

Address		Whether Sessions are held weekly or fortnightly	Day and Time of Meeting		Average attendance per session (Children).	Number of Children who attended for the first time.	Present arrangements for Medical Supervision
Southsea,	Church Institute	Fortnightly	Monday	a.m.	41	163	Assistant Med. Officer
Coedpoeth,	Penygelli Schools	,,	Monday	p.m.	43	167	
Llay,	Presbyterian Chapel	,,	Monday	p.m.	61	101	,,
Cefn,	County Clinic	Weekly	Monday	p.m.	30	98	,,
Glan C'way,	Church Institute	Fortnightly	Monday	p.m.	25	29	,,
Brymbo,	Council School	,,	Tuesday	a.m.	33	62	,,
Broughton,	Congregational Chapel ...	,,	Tuesday	p.m.	46	104	,,
Ruthin,	Baptist Chapel	,,	Tuesday	p.m.	60	141	,,
Glynceiriog,	Ceiriog Institute	,,	Tuesday	p.m.	16	34	,,
Rhosrobin,	County Clinic	,,	Wednesday	a.m.	49	95	,,
Rhos,	Plas-yn-Rhos	Weekly	Wednesday	p.m.	50	202	,,
Llanrwst,	Watling Street	Fortnightly	Wednesday	p.m.	31	64	,,
Llangollen,	Welfare House	,,	Wednesday	p.m.	35	65	,,
Denbigh,	County Clinic	,,	Wednesday	p.m.	42	246	,,
Rhostyllen,	Council School	,,	Wednesday	a.m.	30	49	,,
C'druidion,	Presbyterian Chapel	,,	Wednesday	a.m.	9	32	,,
Abergele,	Church House	,,	Thursday	p.m.	53	108	,,
Chirk,	The Mount	,,	Thursday	p.m.	30	74	,,

ANNUAL REPORT OF THE WORK OF THE NORTH WALES SOCIETY FOR THE BLIND IN THE COUNTY OF DENBIGH FOR THE YEAR ENDING MARCH 31st, 1947.

At March 31st, 1947, there were 398 Registered Blind Persons and 14 Evacuees or Transfers from other Areas, in the County of Denbigh, the decrease in the number of Evacuees being due to the fact that the majority who were billeted at Plas Darland or Pentre Bychan have returned home. The five Home Teachers, three of whom are fully occupied in the County and two part-time, continue to visit the Blind at regular intervals, with the exception of February, their visits being considerably curtailed owing to the very severe weather. The needs of the Blind are attended to without delay, and their health is very good. One hundred and fifty applications submitted by the Home Teachers on behalf of the Blind were dealt with and sanctioned by the Society's Necessitous Grants Committee, the cost amounting to £190 1s. 5d. being paid out of the General Charity Fund. The grants include Clothing, Boots, Spectacles, Hospital Maintenance, Garden Produce, etc. White Sticks are presented free to the Blind. The Home Teachers teach various Handicrafts, and some of the Blind are able to read Braille and Moon embossed type. Library books are sent out weekly to the various readers, the cost of postage being borne by the Society.

A Social Centre was opened by His Worship the Mayor at Bodhyfryd, Wrexham, on Friday, September 13th. The Blind have the use of the Hut on Friday of each week and it has proved very essential. Lectures, Socials, Classes in various Handicrafts are held, and in December an Exhibition and Sale of Work was held and proved successful.

A number of Electric Wireless Sets were issued during the year, also Batteries and Accumulators. The cost of Wireless Repairs and Renewals is borne by the Society.

Each Blind Person was presented with a Christmas Gift of 7/6; this was made possible from the collections made by the various schools of three Counties. All expenses in connection with this Christmas Gift Fund; printing envelopes; list of collections; postages are borne by the Society. In addition the County Council allowed a Christmas Gift to those Blind Persons in receipt of domiciliary assistance.

At March 31st, 1947, 146 Blind Persons and 6 Transfer cases were in receipt of the Unemployment Blind Grant, the reduction in number being due to the increase in Old Age Pensions in October, 1946, the cost to the Council for the twelve months being £8,340 7s. 5d., Postages and Poundage £86 4s. 4d. During the year 3,125 Postal Orders and 989 cheques were despatched from the office of the Society. The householders who received the coal allowance were very appreciative.

Since April 1st, 1946, the Society signed an Agreement with the National Institute for the Blind for the Unification of Collections in North Wales, the organising of Flag Days, House-to-House Collections and other means of raising Funds being entirely in the hands of the National Institute, the North Wales Society receiving 75 per cent. of the nett collections, but the welfare of the Blind is carried out entirely by the North Wales Society as accredited Agents for the six North Wales County Councils.

The Crosville Bus Company continue to issue Bus Vouchers at 2/6 each per annum, these vouchers entitled the Blind to travel free within a radius of 12 miles from their home. The vouchers are a boon to the Blind and are greatly appreciated.

A number of Blind Persons from the County spent a very enjoyable holiday at the "Llys Onnen Home," Abergele. There are 4 permanent residents from Denbighshire at the Home.

In Denbighshire there are 13 Home Workers, one in a Workshop and a number of pastime workers. The payment of augmentation is borne out of the Society's General Charity Fund.

MEDICAL AND DENTAL TREATMENT

(Necessitous Cases).

Total number referred to Medical Practitioners and accepted on their panel	151
Number of Blind Persons supplied with Dentures free of cost	3

ANNUAL REPORT OF COUNTY ALMONER, 1946.

Tuberculosis clinic sessions attended	105
Interviews with patients at above clinics	603
Visits to homes of T.B. patients	377
Number receiving allowances under the Government Tuberculosis Scheme on 31/12/46	67
Number receiving allowances from T.B. After-Care Committee	65
Venereal Diseases Clinic sessions attended	42
Follow-up visits to V.D. patients	65

During the above year, much valued material help and advice has again been given by the statutory and voluntary bodies in the County for the assistance, in many differing ways, of all types of patients. Special mention must be made of a large store of clothing received from the Women's Voluntary Services. The Disablement Register of the Ministry of Labour has been opened for the rehabilitation and re-employment of disabled persons, and close contact is maintained with the Officer-in-Charge, who has also been co-opted on to the T.B. After-Care Committee.

The staff at all the clinics have proved most co-operative.

VENEREAL DISEASES TREATMENT CENTRES.

Wrexham, War Memorial Hospital—Out-patient Department.

Males —Mondays 5—7 p.m.
Females—Fridays 5—7 p.m.

Chester Royal Infirmary—Out-patient Department.

Males —Mondays 5—7 p.m.; Saturdays at noon.
Females—Mondays and Thursdays 5—7 p.m.

Bangor, Caernarvonshire and Anglesey Infirmary—Out-patient Department.

Males —Wednesdays 6 p.m.
Females—Fridays 2—4 p.m.

TABLE XVI. (a). Cancer.

The following table gives the deaths and death rates from all causes of Cancer according to Sanitary Districts:—

Districts.	Deaths.			Rate per 1000 Population.
	Males.	Females.	Total.	
Urban Districts.				
Abergele	8	10	18	2.0
Colwyn Bay	38	27	65	2.8
Denbigh	9	5	14	1.6
Llangollen	—	6	6	1.9
Llanrwst	2	5	7	2.7
Ruthin	3	2	5	1.3
Wrexham	23	30	53	1.9
Rural Districts.				
Aled	7	6	13	1.9
Ceiriog	5	3	8	1.1
Hiraethog	6	6	12	2.3
Ruthin	11	4	15	1.5
Wrexham	63	64	127	2.0
	175	168	343	2.0

TABLE XVI. (b). Cancer—Age and Sex Distribution.

Age Group.	Urban.			Rural.			Grand Total.		
	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.
Under 1 year	—	—	—	—	—	—	—	—	—
1-5 years	—	—	—	1	—	1	1	—	1
5-15 years	—	—	—	1	—	1	1	—	1
15-45 years	4	5	9	3	6	9	7	11	18
45-65 years	28	32	60	24	36	60	52	68	120
65 years and upwards	51	48	99	63	41	104	114	89	243
	83	85	168	92	83	175	175	168	343

CHRISTIE HOSPITAL AND HOLT RADIUM INSTITUTE, MANCHESTER.

In-patients	38
Out-patients	91

LIVERPOOL RADIUM INSTITUTE.

In-patients	12
Out-patients	16

WREXHAM AND EAST DENBIGHSHIRE WAR MEMORIAL HOSPITAL.

Cases referred through the Radium Clinic under the Service provided by the Holt Radium Institute, Manchester.

No. of new patients referred:	1944	1945	1946
Treated	56	33	36
Not treated	31	26	33
Examination only, under anaesthetic	—	2	1
Totals	87	61	70
No. of follow-up examinations	662	630	706
Totals	749	691	776

No. of patients referred in previous years and re-treated in 1946	6

Place of Treatment of 1946 referred cases:

No. of patients treated as Out-patients at Radium Institute	13
No. of patients treated as In-patients in Christie Hospital	14
No. of patients treated as In-patients in Baguley Radium Annexe	7
No. of patients treated as In-patients in Baguley Radium Annexe and also In-patient in Christie Hospital	2
	36

Analysis of 1946 Not Treated Cases:

Too advanced	6
Unsuitable	12
Referred for treatment elsewhere	5
Referred for surgery	3
Follow-up only	6
Not treated as at 31/12/46 but treated in 1947	2
	34

WREXHAM EMERGENCY HOSPITAL.

Total number of patients treated 62

DENBIGH INFIRMARY.

Total number of cases treated 22

COLWYN BAY AND WEST DENBIGHSHIRE INFIRMARY.

Total number of patients treated 20

CHESTER ROYAL INFIRMARY.

No. of patients.	Diagnosis.
4	Carc. of Breast
2	Carc. of Colon
1	Carc. of Bladder
1	Carc. of Stomach
1	Carc. of Cervix

CAERNARVONSHIRE AND ANGLESEY INFIRMARY, BANGOR.

	C. & A. Infirm.	Llandudno Hospital	Sandford Nursing Home
Carc. of Pyriform Fossa	2	—	—
Carc. of Colon	—	2	—
Carc. of Bronchus	1	—	—
Carc. of Breast	2	5	—
Carc. of Stomach	1	4	1
Carc. of Cervix	2	—	—
Carc. of Rectum	1	2	—
Carc. of Prostate	—	1	—
Carc. of Penis	1	—	—
Carc. of Ovary	1	—	—
Carc. of Pancreas	—	—	1
Carc. of Liver (secondary) ...	—	—	1
Post Cricoid Carc.	1	—	—
Secondaries of Skin	1	—	—
Epithelioma of Mouth	1	—	—
Epithelioma of Cheek	1	—	—
Epithelioma of Foot	—	1	—
Rodent Ulcers	2	—	—
	—	—	—
Totals	17	15	3
	—	—	—

TABLE XVII. Venereal Diseases.

The following statistics, taken from the Returns supplied by the Treatment Centres, show the work undertaken during the year ended 31/12/46.

Clinic	Persons attending for the first time at Out-patient Clinic suffering from								Total attendances at Out-patient Clinics		No. of In-Patient days		No. of Persons treated with Salvarsan Substitutes	
	Syphilis		Soft Chancre		Gonorrhoea		Non-Venereal Condition							
	M.	F.	M.	F.	M.	F	M.	F.	M.	F.	M.	F.	M.	F.
Wrexham	44	38	—	—	127	25	65	39	2203	1216	138	570	79	66
Chester	5	2	—	—	13	3	12	5	201	175	5	1	9	12
Bangor	6	7	—	—	7	2	4	—	61	128	30	17	6	8
Totals	55	47	—	—	147	30	81	44	2465	1519	173	588	94	86

REPORT OF J. H. WYNNE, COUNTY VETERINARY OFFICER.

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1. Diseases of Animals Acts and Orders.

The Quarterly Reports of the Divisional Inspector, Animal Health Department, Ministry of Agriculture, show the total number of Scheduled (Notifiable) Diseases of Animals to be:—

Sheep Scab, 4 confirmed cases (20 in 1945).

Tuberculosis, 81 confirmed cases (77 in 1945).

No other Notifiable Disease during the year, which is very gratifying.

2. Milk and Dairies Acts and Orders.

247 " Tuberculin Tested " Licences were issued during the year (increase of 82 since the end of 1945) and 460 Accredited Licences (increase of 15 this year).

3. Clinical Inspection of Dairy Cattle.

(a) Tuberculin Tested Herds: 12,385 examinations were made and only one cow had to be slaughtered under the Tuberculosis Order.

(b) Accredited Herds: 25,044 examinations carried out, leading to the slaughter of 15 animals under the Order.

(c) Non-designated Herds: 29,227 examinations—25 animals were slaughtered under the Tuberculosis Order.

4. Mastitis.

Total number of cases certified 681, of which 372 were " marked " cases and 309 " slight " ones.

5. **Tuberculin Testing** of herds licenced to produce "Tuberculin Tested" milk.

No. of cattle tested	10868
No. of re-actors	54

6. **Tuberculous Milk.**

No. of investigations not completed at the end of 1945	2
No. of initial reports from Medical Officers of Health	2
No. of Herds involved	2
No. of Tuberculosis of the udder found	3
No. of investigations not completed at the end the year	—

7. **Tuberculosis (Attested Herds) Scheme.**

No. of Attested Herds at the end of the year (increase of 60 during the year).	333
No. of Supervised Herds ..... (against 10 at the end of 1945).	12

8. **Reconstruction and Improvements of Cowsheds** and the provisions of cooling and sterilising houses to meet the requirements of the Licensing Authority under the Milk (Special Designations) Orders made considerable progress during the year; an increase of 82 T.T. Licences and 15 Accredited Licences is satisfactory, especially when both labour and materials are so scarce.

J. H. WYNNE.

FOOD AND DRUGS ACT, 1938.

Annual Report for the Year ended 31st December, 1946.

Ladies and Gentlemen,

I beg to report that during the year ended 31st December, 1946, 420 samples of food and drugs were submitted to the Public Analyst for analysis under the above Act, the particulars being as follows:—

Article	No. taken	Formal	Informal	Result of Analysis	
				Genuine	Not genuine or sub-standard
Milk:					
Retail	299	298	1	247	52
On delivery	8	8	—	1	7
Appeal-to-Cow	2	2	—	—	2
Lard	2	—	2	1	1
Vinegar	2	—	2	2	—
Tinned Fish	4	—	4	4	—
Margarine	2	—	2	2	—
Butter	17	—	17	17	—
Cheese	3	—	3	3	—
Baking Powder	2	—	2	2	—
Salad Cream	1	—	1	1	—
Meat Paste	1	—	1	1	—
Jam	10	—	10	9	1
Beer	5	—	5	5	—
Flour	2	—	2	2	—
Limeade	1	—	1	1	—
Rum	2	—	2	2	—
Sweet Spirit of Nitre	3	—	3	2	1
Pepper	2	—	2	2	—
Bread	2	—	2	2	—
Mayonnaise	1	—	1	1	—
Suet	1	—	1	1	—
Black Currant Jelly	1	—	1	1	—

Article	No. taken	Formal	Informal	Result of Analysis: Genuine	Result of Analysis: Not genuine or sub-standard
Fish Paste	2	—	2	2	—
Condensed Milk	3	—	3	3	—
Cocoa	1	—	1	1	—
Sausage Meat	1	—	1	1	—
Sausages	13	—	13	13	—
Table Jelly	1	—	1	1	—
Sponge Pudding	1	—	1	1	—
Coffee & Chicory Essence	1	—	1	1	—
Ice Cream	17	—	17	17	—
Gin	1	—	1	1	—
Dried Milk	2	—	2	2	—
Cake Flour	1	—	1	1	—
Custard Powder	1	—	1	1	—
Gelatine	1	—	1	1	—
Whiskey	1	—	1	1	—
Totals	420	308	112	356	64

The average percentages of fat, and of solids-not-fat, contained in the milk sampled during the year were:—

	Fat	Solids-not-Fat
Eastern Division	3.47%	8.71%
Western Division	3.67%	8.74%
Whole County	3.55%	8.72%
The Legal Presumptive Standard is	3.00%	8.50%

In addition to the above-mentioned samples of milk submitted to the Public Analyst, 95 informal samples of milk were tested at the Wrexham and Colwyn Bay Offices on behalf of farmers and dairymen, and for preliminary information. The milk supplied to the Children's Homes, Public Assistance Institutions and certain Hospitals in the County was also periodically examined.

As will be observed from the above Table, 52 samples of milk were certified by the Public Analyst as being "not genuine" by reason of deficiency in fat, or in solids-not-fat. In 50 of these samples the deficiency involved was too small to justify more drastic action than the administration of a caution, or the tendering of advice. One sample contained a trace of added water, and the vendor is being kept under observation. The remaining sample was found to be adulterated with 7 per cent. of added water and was the subject of a prosecution, the party responsible being fined £5 and ordered to pay costs amounting to £3 3s. 0d.

In view of the outbreak of a disease during the year following the consumption of Ice Cream, a large number of samples of this commodity was taken, but in no instance was any harmful ingredient detected. There is at present no legal standard for Ice Cream, as I have stated in a previous report, a fancy name, or high price, appear in many instances to be no criterion of the quality of the article sold, and the present necessary restrictions on the ingredients used in its manufacture do not tend to improve the situation.

An informal sample of Lard proved to be Lard Substitute, or cooking fat which had been sold in error, and the vendor was cautioned.

An informal sample of Sweet Spirit of Nitre was 38 per cent. deficient in the active principle Ethyl Nitrate, but a subsequent formal sample obtained from the same source was genuine.

An informal sample of Jam was 2½ per cent. deficient in soluble solids and the vendors of this commodity are being kept under observation.

All other samples were certified by the Public Analyst as being genuine and free from all prohibited preservatives and colouring matter.

I again have pleasure in recording my indebtedness to the Clerk of the Council for his learned advice and advocacy,

services always generously placed at my disposal throughout the year.

I have the honour to be,

Your obedient Servant,

D. WYNNE GRIFFITH,

Chief Inspector.

DENBIGHSHIRE COUNTY COUNCIL.

ANNUAL REPORT

on the

Health of Denbighshire

for the

YEAR 1946

by

H. ARWEL THOMAS

M.Sc., M.B., Ch.B., D.P.H.,

County Medical Officer.

16 Grosvenor Road,

Wrexham.

September, 1947.

James Craig & Co., Penrhyn Road, Colwyn Bay